**Multiple Disabilities Products and Resources**

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*Multiple Disabilities and Physical Education*

*Educational Product Innovation*

Note: Text in parentheses describes photos, illustrations, and graphics.

**Accessing objects**

Content objects might include

* things used while eating, dressing, bathing, or going to bed
* things used while traveling in a car or participating during circle time
* things used when playing music
* things found in the refrigerator
* TOYS

**Products**

The Joy Player (The Joy Player Logo)

Spangle Tangle (The Spangle Tangle logo with "Play & Explore")

LED Mini-Lite Box (LED Mini-Lite Box logo)

**The APH Joy Player**

(Back side of the Joy Player showing the receptacles for power cord, switches, USB, and SD card.) (Joy Player, five block-out caps to cover button switches, five button switch rings, five DTB cartridges, USB cord, and recharger cord.)

* Straps onto a wheelchair tray
* Operates by pressing extra-large button switches
* Operates using external switches
* Has visual/cognitive complexity block-out caps
* Five digital cartridges to start music library
* Plays WAV and MP3 files

**Videos**

(Boy has cheek resting on the Joy Player to feel vibration/beat of the music. The unit is trapped to the wheelchair tray.)

[**The Joy Player with Dad**](https://www.youtube.com/watch?v=7AbUbKAEa9k)

[**The Joy Player**](https://www.youtube.com/watch?v=Y_8essqfF1Y)

[**The Joy Player: Zoom Group Adults**](https://www.youtube.com/watch?v=7AbUbKAEa9k)

**Accommodations**

(Close-up of the Joy Player showing how a button-switch ring is removed and a block-out cap is attached in it's place, blocking the button switch.) (The Joy Player is connected to a Power Select environmental control unit, which is connected to a plate switch. A sip and puff switch is also shown.)

**The APH Joy Player**1-07089-00

APH Tactile Graphics Library

(Five 3-D printed Joy Player Cartridge Holders of various colors. Two are the slide-closure version and two are the screw-closure version. The fifth is only seen from the back because it is inserted into a Joy Player.)

**Spangle Tangle**

(A young girl wearing a neck support device and sitting in a reclining wheelchair as both hands grasp a Spangle Tangle that is inserted into the toy's holder, which is adhered to the wheelchair tray.)

Stands adhere to smooth wheelchair trays or tabletops

Reflective property (LV & CVI)

Skills: tracking, sorting, problem solving, social, pre-braille

Encourages movement

FUN!

**Page Turn**

(The Spangle Tangle segments connected to make five rings. The smooth ring is inserted in the toy's stand, acting as a book's binding. The other four tactile rings are attached as keys on a key ring, acting as the book's pages. The spiral ring and the bumpy ring are pages on the left still waiting to be turned. The tire tread ring and the alligator skin ring are pages on the right.) **Joy Stick** (Nine Spangle Tangle segments are connected to make a vertical loop and are inserted into the stand. Two alligator segments are at the top, indicating where the learner should grasp. The rest of the segments are smooth.)

**Rocking Round Robin**

(A girl sits with three Spangle Tangle loops that are shaped like rocking chair rockers. Each loop has a different tactile property.)

**Stacking** (A boy sits in a reclining wheelchair with a clear smooth tray. He places a Spangle Tangle ring on a Spangle Tangle plastic tube that is held vertically in place by the Spangle Tangle tube stand. There is already another ring resting at the bottom of the tube.)

**Sister Products: Spangle Tangle & Tangle Toy**1-08755-00 (ST) and 1-08750-00 (TT)

(Spangle Tangle Kit: Guidebook; two Spangle Tangles; toy stand; tall red, medium blue, and short yellow tubes; and three tube stands) (Three APH original Tangle Toys with black smooth, yellow bumpy, blue alligator, red spiral, and white tire tread segments.) (A loop created using eight smooth Spangle Tangle segments and one spiral red Tangle Toy segment.)

**LED Mini-Lite Box**

Prone positioning can help strengthen the neck muscles. This photo shows one way to use the detachable stand that comes on the unit.

(A learner in the prone position on a bean bag with her forehead almost resting on an LED Mini-Lite Box that is resting on the floor, slightly angled.) (Same learner with head raised, looking at objects on the LED Mini-Lite Box.)

**Mount’n Mover**by BlueSky Design

APH does not sell mounts.

(LED Mini-Lite Box attached to a wheelchair using the Mount'n Mover.) (LED Mini-Lite Box attached to a tabletop using the Mount'n Mover.) (LED Mini-Lite Box attached to a floor/bed stand using the Mount'n Mover.)

**Rehadapt and RAM Mounts**

APH does not sell mounts.

(LED Mini-Lite Box attached to a tabletop using the Rehadapt mount.) (LED Mini-Lite Box attached to a glass wall using the RAM mount.)

**Ledge with Dycem**

(Close-up showing the clear APH Ledge with Dycem(R) inserted into the LED Mini. The Ledge supports a flat red plexiglass square on the face of the unit.)

(A learner uses the Ledge on the LED Mini to support green and blue plexiglass cubes. The learner holds a transparent green bowl up to the unit.)

**Practice visual tracking skills**

(Silent video of LED Mini with the Ledge and Dycem in total darkness supporting a picture of a red apple. The video shows how the LED Mini can travel horizontally in space when using the Mount'n Mover.)

**LED Mini-Lite Box**1-08654-01

* Sits on table or desk
* Fits three commercially available mounts
* Dimmer with the highest brightness level of 8,500 lux
* Battery life is 6-15 hours depending on brightness used
* Weighs 4 pounds

(A child's hands are pressing a Swirly Mat resting on a vertical LED Mini-Lite Box using the Ledge.)

**Expandable Calendar Boxes**1-08651-00 WHT & 1-08652-00 BLK

(Three white APH Expandable Calendar Boxes attached together resting on an APH Calendar Box Stabilizer. The first box contains a Tangle Toy ring. The second box contains a bean bag. The third box is cropped so the object inside it is not seen.)

Van Dijk anticipation calendar now container

(A teacher uses a single black Expandable Calendar Box to present an object to a young learner in a wheelchair.)

**APH Intervention Continuum**

* [Sensory Learning Kit](https://www.aph.org/product/sensory-learning-kit-slk/) (soon to be *Sensing and Learning*)
* [SAM: Symbols and Meaning](https://www.aph.org/product/sam-symbols-and-meaning-kit/)
* [Tactile Connections: Symbols for Communication](https://www.aph.org/product/tactile-connections-symbols-for-communication/)

**Other Products**

* [Power Select](https://www.aph.org/product/slk-power-select/), environmental control unit, AC (GFCI)
* [Vibrating Pad](https://www.aph.org/product/slk-vibrating-pad-with-adapter/), switch-adapted
* [Fan](https://www.aph.org/product/sensory-learning-kit-slk-turbo-portable-fan-with-adapter/), switch-adapted
* [Scallop Switch](https://www.aph.org/product/slk-scallop-switch/), light touch
* [Tactile Switch](https://www.aph.org/product/slk-adaptable-tactile-switch/), interchangeable plates
* [Stick Switch](https://www.aph.org/product/slk-adaptable-stick-switch/), visual targets
* [Select Switch](https://www.aph.org/product/select-switch/), combination switch & control unit, DC
* [DC Supplement Adapter](https://www.aph.org/product/dc-supplement-adapter/), connects V-Pad & Fan to Select Switch
* [Jumbo Work & Play Tray](https://www.aph.org/product/jumbo-work-play-tray/), black with yellow liner, floor use

**Free Downloads**

* Product shopping page accordion tab
* Older products <https://sites.aph.org/manuals/>
* Newer products <https://www.aph.org/manuals-downloads/>

(Screen shot showing a listing of older APH product free downloads.)

[**Tactile Graphic Image Library 3D**](https://imagelibrary.aph.org/portals/aphb/)(White APH Tactile Connection card with a black 3-D printed Joy Player button switch cap attached. The print and braille label reads, "Joy Player.") (Screen shot of the TGIL page showing STL files available for download.)

[**Tactile Graphic Image Library**](https://imagelibrary.aph.org/portals/aphb/)

(Side view of a pickup truck) (Screen shot of the TGIL page showing a sample of line drawing files available for download.)

[**Outreach Services**](https://www.aph.org/athomewithaph-resources/)

* APH Virtual ExCEL Academy
* APH Virtual ExCEL Camp
* APH Hive – eLearning platform
* Access Academy Webinars
* APH Connect Center

**Thank you**

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